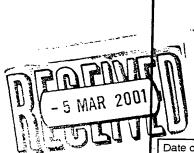
From the INTERNATIONAL SEARCHING AUTHORITY

WITHERS & ROGERS Attn. DEAN, John Paul Goldings House 2 Hays Lane London SE1 2HW

UNITED KINGDOM



PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

			
	Date of mailing (day/month/year) 06/03/2001		
Applicant's or agent's file reference			
P101142/JPD	FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No.	International filing date		
PCT/GB 00/02741	(day/month/year) 17/07/2000		
Applicant			
THE UNIVERSITY OF BRISTOL			

TH	THE UNIVERSITY OF BRISTOL	
1.	1. X The applicant is hereby notified that the International Search Report has been estable Filing of amendments and statement under Article 10:	ished and is transmitted herewith.
	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Applicant is entitled.	olication (see Rule 46):
	When? The time limit for filing such amendments is normally 2 months from the data international Search Report; however, for more details, see the notes on the	e of transmittal of the e accompanying sheet.
	Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35	
	For more detailed instructions, see the notes on the accompanying sheet.	
2.	2. The applicant is hereby notified that no International Search Report will be established Article 17(2)(a) to that effect is transmitted herewith.	ed and that the declaration under
3.	3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.	2, the applicant is notified that:
	the protest together with the decision thereon has been transmitted to the Internapplicant's request to forward the texts of both the protest and the decision there	ational Bureau together with the eon to the designated Offices.
	no decision has been made yet on the protest; the applicant will be notified as s	oon as a decision is made.
4. 1	4. Further action(s): The applicant is reminded of the following:	
(Shortly after 18 months from the priority date, the international application will be published if the applicant wishes to avoid or postpone publication, a notice of withdrawal of the interpriority claim, must reach the international Bureau as provided in Rules 90 <i>bis</i> .1 and 90 <i>bi</i> completion of the technical preparations for international publication.	national application, or of the
٧	Within 19 months from the priority date, a demand for international preliminary examination wishes to postpone the entry into the national phase until 30 months from the priority date	n must be filed if the applicant (in some Offices even later).
٧	Within 20 months from the priority date, the applicant must perform the prescribed acts for before all designated Offices which have not been elected in the demand or in a later elepriority date or could not be elected because they are not bound by Chapter II.	entry into the national phase ction within 19 months from the

Name and mailing address of the International Searching Authority Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 Catherine Humbert

NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, - Fax: (+31-70) 340-3016

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended, it must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples Illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 *Claims 1 to 6 and 14 unabanged; plains 7 to 42 and 15 and 15 to 42 and 15 to 42 and 15 to 42 and 15 to 42 and 15 to 42

Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added. or *Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged.*

[Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.



(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification	of Transmittal of International Search Report
P101142/JPD	ACTION (Form PCT/ISA/2	/220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 00/02741	17/07/2000	15/07/1999
Applicant		
THE UNIVERSITY OF BRISTOL		
This International Search Report has been according to Article 18. A copy is being train	n prepared by this International Searching Auth ansmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists of X It is also accompanied by a	of a total of6 sheets. a copy of each prior art document cited in this	report.
Basis of the report		
 With regard to the language, the ir language in which it was filed, unle 	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the
the international search wa Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	he international application furnished to this
	d/or amino acid sequence disclosed in the in	nternational application, the international search
	e sequence listing : nal application in written form.	
	rnational application in computer readable form	n.
X furnished subsequently to t	this Authority in written form.	·
X furnished subsequently to the	this Authority in computer readble form.	
	sequently, furnished written sequence listing do	pes not go beyond the disclosure in the
EVO		s identical to the written sequence listing has been
2. Certain claims were found	d unsearchable (See Box I).	
3. Unity of invention is lacking	ing (see Box II).	
4. With regard to the title,		
the text is approved as subr	mitted by the applicant.	
	ed by this Authority to read as follows:	
DIAGNOSTIC METHOD COMPR		
5. With regard to the abstract,	•	
the text is approved as subm		
within one month from the di	ed, according to Rule 38.2(b), by this Authority date of mailing of this international search repo	r as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the drawings to be publish		· .
as suggested by the applica		X None of the figures.
because the applicant failed		
because this figure better ch	aracterizes the invention.	

INTERNATIONAL SEARCH REPORT ternational Application No T/GB 00/02741 A. CLASSIFICATION OF SUBJECT MA IPC 7 C1201/68 C12Q1/68 CO7K14/47 C12N15/11 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q C07K C12N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, STRAND, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. χ MALIK K T A ET AL: "IDENTIFICATION OF AN 1-3,5,6,ANTISENSE WT1 PROMOTER IN INTRON 1: 18,19 IMPLICATIONS FOR WT1 REGULATION" ONCOGENE, GB, BASINGSTOKE, HANTS. vol. 11, 1995, pages 1589-1595, XP002910386 ISSN: 0950-9232 the whole document 7 - 15. 20 - 2931 - 37Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: 'T' later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention *E* earlier document but published on or after the international 'X' document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to "L" document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

22 February 2001

06/03/2001

Name and mailing address of the ISA

Authorized officer

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016

Knehr, M



C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	/GB 00/02741
Category °		
	and the relevant passages	Relevant to claim No.
X	HILTUNEN M O ET AL.: "Hypermethylation of the WT1 and calcitonin gene promoter regions at chromosome 11p in human colorectal cancer" BRITISH JOURNAL OF CANCER, vol. 76, no. 9, 1997, pages 1124-1130, XP000979772 the whole document	7,11,15, 17,21,22
Y	LAUX D E ET AL.: "Hypermethylation of the Wilms' tumor suppressor gene CpG island in human breast carcinomas "PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, vol. 38, 1997, page All95 XP000979879 abstract	7-11,13, 20-23,36
Y	WO 99 01580 A (UNIV CASE WESTERN RESERVE) 14 January 1999 (1999-01-14) the whole document	7,13,15, 24-29, 31-37
Y	HUANG T H-M ET AL.: "Identification of DNA methylation markers for human breast carcinomas using the methylation-sensitive restriction fingerprinting technique" CANCER RESEARCH, vol. 57, 1997, pages 1030-1034, XP002161163 cited in the application the whole document	7-10,13, 15,17, 21,22, 24-29, 31,32,36
	FEINBERG A P: "Imprinting of a genomic domain of 11p15 and loss of imprinting in cancer: an introduction" CANCER RESEARCH, vol. 59, 1999, pages 1743s-1746s, XP002161164 cited in the application the whole document	24-29,
	TYCKO B: "DNA METHYLATION IN GENOMIC IMPRINTING" MUTATION RESEARCH, NL, AMSTERDAM, vol. 386, no. 2, 1997, pages 131-140, XP002070305 ISSN: 0027-5107 the whole document	7-15,17, 21-29, 31-37
	MOULTON T ET AL.: "Genomic imprinting and Wilms' tumor" MEDICAL AND PEDIATRIC ONCOLOGY, vol. 27, 1996, pages 476-483, XP000979774 the whole document	24-29, 31-37
	-/	



C/Continue		GB 00/02741
Category •	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
А	MOORWOOD K ET AL.: "Definition of a novel negative regulatory element of the WT1 antisense promotor" ANTICANCER RESEARCH, vol. 18, no. 6C, 1998, pages 4909-4910, XP000979768 abstract	
A	MOORWOOD K ET AL.: "Antisense WT1 transcription paralleles sense mRNA and protein expression in fetal kidney and can elevate protein levels in vitro" JOURNAL OF PATHOLOGY, vol. 185, 1998, pages 352-359, XP000981275 cited in the application the whole document	
A	US 5 350 840 A (ITO CARYN Y ET AL) 27 September 1994 (1994-09-27) cited in the application the whole document	
A	GESSLER M AND BRUNS G A P: "Sequence of the WT1 upstream region including the Wit-1 gene" GENOMICS, vol. 17, 1993, pages 499-501, XP000981270 cited in the application the whole document	
4	CAMPBELL C E ET AL.: "Antisense transcripts and protein binding motifs within the Wilms tumour (WT1) locus" ONCOGENE, vol. 9, 1994, pages 583-595, XP000981271 cited in the application the whole document	
P , X	MALIK K ET AL.: "Identification and differential methylation of the WT1 antisense regulatory region and relaxation of imprinting in Wilms' tumor" CANCER RESEARCH, vol. 60, 2000, pages 2356-2360, XP002161165 the whole document	1-37

1

International Application No. PCTGB 00 D2741

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 38

Present claim 38 relates to a method defined by reference to a desirable characteristic or property, namely non-predictable results deriving from non-defined methods. Lacking any support by disclosing no technical feature at all, a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claim also lacks clarity (Article 6 PCT).

Consequently, no search has been carried out for this claim which does not appear to be clear, supported and disclosed.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
	· · · · · · · · · · · · · · · · · · ·
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims $7-17,31-34$ are directed to a method of diagnosis/treatment of the human body, the search has been carried out and based on the context of methylation patterns related to Wilms' tumor.
2. X	Claims Nos.: 38 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Inter	national Searching Authority found multiple inventions in this international application, as follows:
1. A	As all required additional search fees were timely paid by the applicant, this International Search Report covers all earchable claims.
2. A	is all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment fany additional fee.
3. A	s only some of the required additional search fees were timely paid by the applicant, this International Search Report overs only those claims for which fees were paid, specifically claims Nos.:
4. No	o required additional search fees were timely paid by the applicant. Consequently, this International Search Report is stricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	·
Remark on	Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

internation on patent family members

Int	ernational	Application No	
	/GB	00/02741	

Patent document cited in search report		Publication date	1	Patent family member(s)	Publication date
WO 9901580	Α	14-01-1999	AU	8381698 A	25-01-1999
US 5350840	А	.27-09-1994	DE DE EP JP WO US	69033127 D 69033127 T 0453560 A 4503014 T 9107509 A 5726288 A	01-07-1999 14-10-1999 30-10-1991 04-06-1992 30-05-1991 10-03-1998